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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>		<b>Application Number</b> 09/526,656 <b>Filing Date</b> March 15, 2000 <b>First Named Inventor</b> Niko Pagoulatos et al. <b>Group Art Unit</b> 2721 <b>Examiner Name</b> Not Yet Assigned		
Sheet	1	of	12	Attorney Docket Number
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<i>SCE</i>	N.D. Kitchen et al., "Accuracy in frame-based and frameless stereotaxy," <i>Stereotactic Functional Neurosurgery</i> , Vol. 61, pp. 195-206, 1993.	
<i>SCE</i>	K. R. Smith et al., "The neurostation - a highly accurate, minimally invasive solution to frameless stereotactic neurosurgery," <i>Computerized Medical Imaging and Graphics</i> , Vol. 18, pp. 247-56, July-August 1994.	
<i>SCE</i>	R. L. Galloway, Jr., "Frameless stereotactic systems," in <i>Textbook of Stereotactic and Functional Neurosurgery</i> , P. L. Gildenberg and R.R. Tasker, Eds., ch. 21, pp. 177-82, McGraw Hill, New York, 1998.	

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Sheila Chesser

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<i>S Ce</i>	D. L. G. Hill et al., "Estimation of intraoperative brain surface movement," in <i>Proceedings of the CVRMed-MRCAS'97</i> , pp. 449-58, 1997.	
	R. M. Comeau et al., "Intraoperative US in interactive image-guided neurosurgery," <i>Radiographics</i> , Vol. 18, pp. 1019-27, July-August 1998.	
	W. E. Butler et al., "A mobile computed tomographic scanner with intraoperative and intensive care unit applications," <i>Neurosurgery</i> , Vol. 42, pp. 1305-10, June 1998.	

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<i>SCE</i>	V. M. Tronnier et al., "Intraoperative diagnostic and interventional magnetic resonance imaging in neurosurgery," <i>Neurosurgery</i> , Vol. 40, pp. 891-98, May 1997.	
	P. Couillard et al., "Focus on peroperative ultrasonography," <i>Neurochirurgie</i> , Vol. 42, pp. 91-94, 1996.	No
<i>C</i>	N. Di-Lorenzo et al., "A comparison of computerized tomography-guided stereotactic and ultrasound-guided techniques for brain biopsy," <i>Journal of Neurosurgery</i> , Vol. 76, pp. 1044-45, November 1991.	

Examiner Signature	Shek Chauan	Date Considered	8/2/03
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<i>SC</i>	A. Jodicke et al., "Intraoperative three-dimensional ultrasonography: an approach to register brain shift using multidimensional image processing," <i>Minimally Invasive Neurosurgery</i> , Vol. 41, pp. 13-19, 1998.	
	R. D. Bucholz et al., "The correction of stereotactic inaccuracy caused by brain shift using an intraoperative ultrasound device," in <i>Proceedings of the CVRMed-MRCAS'97</i> , pp. 459-66, 1997.	
	R. W. Prager et al., "Rapid calibration for 3D free-hand ultrasound," <i>Ultrasound Med. Biol.</i> , Vol. 24, pp. 855-69, March 16, 1998.	

Examiner Signature	<u>Sheila Chava</u>	Date Considered	<u>3/7/03</u>
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SCL	S. Lavallee, "Registration for computer-integrated surgery: methodology, state of the art," in <i>Computer- Integrated Surgery: Technology and Clinical Applications</i> , pp. 77-97, MIT Press, Cambridge, MA, 1996.	
	J. T. Lewis et al., "An ultrasonic approach to localization of fiducial markers for interactive, image-guided neurosurgery - part I: principles," <i>IEEE Transactions on Biomedical Engineering</i> , Vol. 45, pp. 621-30, May 1998.	
✓	C. R. Maurer Jr. et al., "Registration of head volume images using implantable fiducial markers," <i>IEEE Transactions on Medical Imaging</i> , Vol. 16, pp. 447-62, August 1997.	

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<i>SCE</i>	M. S. Alp et al., "Head registration techniques for image-guided surgery," <i>Neurological Research</i> , Vol. 20, pp. 31-37, January 1998.	
<i>↑</i>	C. Kresmer et al., "Image registration of MR and CT images using a frameless fiducial marker system," <i>Magnetic Resonance Imaging</i> , Vol. 15, pp. 579-85, November 5, 1997.	
<i>SCE</i>	M. D. Mitchell et al., "Agarose as a tissue equivalent phantom material for NRM imaging," <i>Magnetic Resonance Imaging</i> , Vol. 4, pp. 263-66, 1996.	

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<i>SCE</i>	N. Pagoulatos et al., "Calibration and validation of free-hand 3D ultrasound systems based on DC magnetic tracking," in <i>Proceedings of the SPIE</i> , Vol. 3335, pp. 59-71, 1998.		
	K. S. Arun et al., "Least-squares fitting of two 3-D point sets," <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , Vol. 9, pp. 698-700, September 1987.		
<i>✓</i>	C. R. Maurer, Jr. et al., "Registration of 3-D images using weighted geometrical features," <i>IEEE Transactions on Medical Imaging</i> , Vol. 15, pp. 836-49, December 1996.		

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<i>SLC</i>	D. F. Leotta et al., "Performance of a miniature magnetic position sensor for three-dimensional ultrasonic imaging," <i>Ultrasound in Medicine and Biology</i> , Vol. 23, pp. 597-609, 1997.	
	K. K. Shung et al., "Ultrasonic transducers and arrays", <i>IEEE Engineering in Medicine and Biology Magazine</i> , Vol. 15, pp. 20-30, November-December 1996.	
<i>V</i>	P. R. Detmer et al., "3D ultrasonic image feature localization based on magnetic scanhead tracking: in vitro calibration and validation," <i>Ultrasound in Medicine and Biology</i> , Vol. 20, pp. 923-36, 1994.	

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SCE	W. S. Edwards et al., "PC-based workstation for three-dimensional visualization of ultrasound images," in <i>Proceedings of the SPIE</i> , Vol. 3031, pp. 1163-76, 1995.	
↓	S. J. Goerss et al., "A stereotactic magnetic field digitizer," in <i>Stereotactic and Functional Neurosurgery</i> , Vol. 63, pp. 89-92, 1994.	
↓	Y. Kim et al., "Programmable ultrasound imaging using multimedia technologies: A next-generation ultrasound machine," <i>IEEE Transactions on Information Technology in Biomedicine</i> , Vol. 1, pp. 19-29, March 1997.	

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SCE	R. M. Comeau et al., "Integrated MR and ultrasound imaging for improved image guidance in neurosurgery," in <i>Proceedings of the SPIE</i> , Vol. 3338, pp. 747-54, February 1998.	
	J. M. Fitzpatrick et al., "Predicting error in rigid-body point-based registration," <i>IEEE Transactions on Medical Imaging</i> , Vol. 17, pp. 694-702, October 1998.	
✓	R. A. Brown, "A stereotactic head frame for use with CT body scanners," <i>Investigative Radiology</i> , Vol. 14, pp. 300-04, July-August 1979.	

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<i>H.C.</i>	H. Erbe et al., "3-D ultrasonography and image matching for detection of brain shift during intracranial surgery," in <i>Proceedings of the Computer Assisted Radiology</i> , pp. 225-30, 1996.	

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